Author Index 2006

Andersson, E	Experimental and theoretical analysis of freight wagon link suspension	361
Andersson, H	Influence of plastic deformations on growth of subsurface rolling contact fatigue cracks in railway wheels	461
An, M	Fuzzy-reasoning-based approach to qualitative railway risk assessment	153
Armstrong, T D	Use of a reduced scale model for the study of wheel/rail interaction	235
Auersch, L	Dynamic axle loads on tracks with and without ballast mats: numerical results of three-dimensional vehicle–track–soil models	169
Ayasse, J B	From railway dynamics to wheel/rail contact mechanics, an approach for the modelling of the wheel/rail contact: elasto-plastic response of the railhead	189
Baillet, L	From railway dynamics to wheel/rail contact mechanics, an approach for the modelling of the wheel/rail contact: elasto-plastic response of the railhead	189
Barkan, C P L	Heat transfer modelling of rail thermite welding	207
Barkan, C P L	Weld defect formation in rail thermite welds	373
Beard, A N	A systemic analysis of the Paddington railway accident	121
Berthier, Y	From railway dynamics to wheel/rail contact mechanics, an approach for the modelling of the wheel/rail contact: elasto-plastic response of the railhead	189
Busquet, M	From railway dynamics to wheel/rail contact mechanics, an approach for the modelling of the wheel/rail contact: elasto-plastic response of the railhead	189
Cao, Y-Y	Routing for the Pennsylvania Maglev system by a genetic algorithm	55
Chan, A H C	Assessing the economic life of rail using a stochastic analysis of failures	103
Chapman, L	Thermal imaging of railways to identify track sections prone to buckling	317
Chen, Y	Heat transfer modelling of rail thermite welding	207
Chen, Y	Weld defect formation in rail thermite welds	373
Chi, Y L	Evaluation of maintenance schedules on railway traction power systems	91
Chollet, H	From railway dynamics to wheel/rail contact mechanics, an approach for the modelling of the wheel/rail contact: elasto-plastic response of the railhead	189
Cole, C	Simulated comparisons of wagon coupler systems in heavy haul trains	247
Cucala, A P	Predictive traffic regulation for metro loop lines based on quadratic programming	79
Dagorn, C	From railway dynamics to wheel/rail contact mechanics, an approach for the modelling of the wheel/rail contact: elasto-plastic response of the railhead	189
Dantzig, J A	Heat transfer modelling of rail thermite welding	207
Dantzig, J A	Weld defect formation in rail thermite welds	373
de Cuadra, F	Predictive traffic regulation for metro loop lines based on quadratic programming	79
Disk, D R	Routing for the Pennsylvania Maglev system by a genetic algorithm	55
Dwyer-Joyce, R S	Wear at the wheel/rail interface when sanding is used to increase adhesion	29
Ekberg, A	Influence of plastic deformations on growth of subsurface rolling contact fatigue cracks in railway wheels	461
Enblom, R	Two-level numerical optimization of ride comfort in railway vehicles	1
Esveld, C	Rail weld geometry and assessment concepts	257
Esveld, C	Relation between the geometry of rail welds and the dynamic wheel–rail response: numerical simulations for measured welds	409
Fernandez, A	Predictive traffic regulation for metro loop lines based on quadratic programming	79
Ferreira, L	Evaluation of maintenance schedules on railway traction power systems	91
Fletcher, D I	Rapid method of stress intensity factor calculation for semi-elliptical surface breaking cracks under three-dimensional contact loading	219
Gautier, P-E	Review of research into wheel/rail rolling noise reduction	385
Giras, T C	Routing for the Pennsylvania Maglev system by a genetic algorithm	55
Goodman, C J	Optimization of train departure times at an interchange considering passenger flows	113
Hass, K	Relating track geometry to vehicle performance using neural network approach	273
Hecht, M	Critical speed and limit cycles in the empty Y25-freight truck	347
Ho, T K	Evaluation of maintenance schedules on railway traction power systems	91
Jaiswal, J	Modelling the cost of railway asset renewal projects using pairwise comparisons	331
Jönsson, P-A	Experimental and theoretical analysis of freight wagon link suspension	361
Kabo, E	A numerical study of the lateral ballast resistance in railway tracks	425

© IMechE 2006

Kabo, E	Influence of plastic deformations on growth of subsurface rolling contact fatigue cracks in railway wheels	461
Kadivar, M H	Critical speed and limit cycles in the empty Y25-freight truck	347
Kalay, S	Relating track geometry to vehicle performance using neural network approach	273
Kapoor, A	Rapid method of stress intensity factor calculation for semi-elliptical surface breaking cracks under three-dimensional contact loading	219
Kim, S-W	Calculation of resistance to motion of a high-speed train using acceleration measurements in irregular coasting conditions	449
Kim, Y-G	Calculation of resistance to motion of a high-speed train using acceleration measurements in irregular coasting conditions	449
Kwon, H-B	Calculation of resistance to motion of a high-speed train using acceleration measurements in irregular coasting conditions	449
Landi, A	Hough transform and thermo-vision for monitoring pantograph–catenary system	435
Lansler, E	Influence of plastic deformations on growth of subsurface rolling contact fatigue cracks in railway wheels	461
Lawrence, F V	Heat transfer modelling of rail thermite welding	207
Lawrence, F V	Weld defect formation in rail thermite welds	373
Lee, K Y	Bogie frame design in consideration of fatigue strength and weight reduction	201
Leung, K K	Evaluation of maintenance schedules on railway traction power systems	91
Lewis, R	Wear at the wheel/rail interface when sanding is used to increase adhesion	29
Lewis, R	Static wheel/rail contact isolation due to track contamination	43
Li, D	Relating track geometry to vehicle performance using neural network approach	273
Lin, W	Fuzzy-reasoning-based approach to qualitative railway risk assessment	153
Lin, Z	Routing for the Pennsylvania Maglev system by a genetic algorithm	55
Ling, D J	Modelling the cost of railway asset renewal projects using pairwise comparisons	331
Lou, P	Vertical vehicle–track coupling element	293
Lou, P	Finite-element analysis of discretely supported rail subjected to multiple moving concentrated forces	305
Masing, J	Static wheel/rail contact isolation due to track contamination	43
Meddah, A	Relating track geometry to vehicle performance using neural network approach	273
Menconi, L	Hough transform and thermo-vision for monitoring pantograph–catenary system	435
Molatefi, H	Critical speed and limit cycles in the empty Y25-freight truck	347
Park, B H	Bogie frame design in consideration of fatigue strength and weight reduction	201
Park, T-W	Calculation of resistance to motion of a high-speed train using acceleration measurements in irregular coasting conditions	449
Polach, O	On non-linear methods of bogie stability assessment using computer simulations	13
Radosavljevic, A	Measurement of train traction characteristics	283
Roberts, C	Assessing the economic life of rail using a stochastic analysis of failures	103
Roberts, C	Optimization of train departure times at an interchange considering passenger flows	113
Roy, R	Modelling the cost of railway asset renewal projects using pairwise comparisons	331
Sani, L	Hough transform and thermo-vision for monitoring pantograph–catenary system	435
Santos-Reyes, J	A systemic analysis of the Paddington railway accident	121
Shehab, E	Modelling the cost of railway asset renewal projects using pairwise comparisons	331
Siu, L K	Evaluation of maintenance schedules on railway traction power systems	91
Steenbergen, M J M M	Rail weld geometry and assessment concepts	257
Steenbergen, M J M M	Relation between the geometry of rail welds and the dynamic wheel–rail response: numerical simulations for measured welds	409
Stichel, S	Experimental and theoretical analysis of freight wagon link suspension	361
Stirling, A	Fuzzy-reasoning-based approach to qualitative railway risk assessment	153
Stirling, A B	Assessing the economic life of rail using a stochastic analysis of failures	103
Stretch, J	Modelling the cost of railway asset renewal projects using pairwise comparisons	331
Sun, Y Q	Simulated comparisons of wagon coupler systems in heavy haul trains	247
Takagi, R	Optimization of train departure times at an interchange considering passenger flows	113
Tang, J-F	Finite-element analysis of discretely supported rail subjected to multiple moving concentrated forces	305
Thompson, D J	Use of a reduced scale model for the study of wheel/rail interaction	235
Thompson, D J	Review of research into wheel/rail rolling noise reduction	385
Thornes, J E	Thermal imaging of railways to identify track sections prone to buckling	317
Vitoriano, B	Predictive traffic regulation for metro loop lines based on quadratic programming	79
White, S P	Thermal imaging of railways to identify track sections prone to buckling	317
Zeng, Q-Y	Vertical vehicle–track coupling element	293
Zeng, Q-Y	Finite-element analysis of discretely supported rail subjected to multiple moving concentrated forces	305
Zhao, J	Assessing the economic life of rail using a stochastic analysis of failures	103

 © IMechE 2006

Zhong, X-G	Finite-element analysis of discretely supported rail subjected to multiple moving concentrated forces	305
Zhu, J Y	On the effect of varying stiffness under the switch rail on the wheel–rail dynamic characteristics of a high-speed turnout	69

© IMechE 2006